

Title (en)
Vehicle drive control apparatus and method

Title (de)
Vorrichtung und Verfahren zur Fahrzeugantriebssteuerung

Title (fr)
Appareil et procédé de contrôle du véhicule

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Application
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Abstract (en)
A vehicle drive control apparatus includes an engine (12) that generates power through combustion of fuel, an automatic transmission (10) that transmits a reverse input from a driving wheel to the engine and automatically performs a gear shifting among a plurality of forward gear stages each having a different gear ratio, and a controller (90) that executes a fuel cut control (104) for stopping supply of the fuel to the engine upon establishment of a fuel cut condition including that a vehicle is in a coasting state where a throttle valve of the engine is fully closed, and an engine speed is equal to or higher than a predetermined value. The controller executes a control (114) of the automatic transmission for downshifting at a predetermined coast down vehicle speed so as to continue the fuel cut control in the coasting state, and executes a control (112) of changing a downshifting speed such that the downshifting speed increases as an increase in a deceleration of the vehicle.

IPC 8 full level
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Citation (applicant)
• US 4473882 A 19840925 - SUZUKI TADASHI [JP], et al
• US 4413882 A 19831108 - BAILEY ALAN C [US], et al
• US 4422353 A 19831227 - SUGA MASAOKI [JP], et al
• US 5655996 A 19970812 - OHTSUKA TOSHIO [JP]
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Citation (search report)
• [A] US 4473882 A 19840925 - SUZUKI TADASHI [JP], et al
• [A] US 4422353 A 19831227 - SUGA MASAOKI [JP], et al
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• [A] JP H02159461 A 19900619 - JATCO CORP
• [A] JP H09105459 A 19970422 - UNISIA JECS CORP

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